

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. QCPA990482	SERIAL NO. 09/382,438
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>		RECEIVED JUN 27 2000			
DATE MAILED: 6/21/00		MAIL DATE CANCELLED JUN 13 2000		FILING DATE 8/25/99	GROUP 2731

U.S. PATENT DOCUMENTS													
*EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
DJR	A1	5	4	1	4	7	9	6	5/9/95	Jacobs, et al.	395	2.3	1/14/93
DJR	A2	5	1	0	3	4	5	9	47092 P	Gilhousen, et al.	375	1	6/25/90
	A3												
	A4								JUN 23 2000				
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	A6												
	A7												
	A8												

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER			DATE	COUNTRY	NAME		CLASS	SUB CLASS
		B1								
		B2								
		B3								
		B4								
		B5								

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C1	Eng, et al. "Comparison of Hybrid FDMA/CDMA Systems in Frequency Selective Rayleigh Fading" <b>IEEE J. of Selected Areas of Communications</b> 12(5): 938-951 (1994).
DJR	C2	Foerster, et al. "Analysis of Hybrid Coherent FDMA/CDMA Systems in Ricean Multipath Fading" <b>IEEE Transactions on Communications</b> 45(1): 15-18 (1997).
DJR	C3	Jalali, et al. "Performance Comparison of Direct Spread and Multicarrier CDMA Systems" <b>IEEE</b> : 2042-2046 (1998).
EXAMINER	DATE CONSIDERED 15 July 2002	
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U.S. PATENT DOCUMENTS							
*EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1						
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	B4						
	B5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C4	Kim, et al. "The Performance Improvement of a Multicarrier DS-CDMA System Using Both Tim-Diversity and Frequency Offset" <b>ETRI J. 21(4): 29-40 (1999).</b>
DJR	C5	Kondo, et al. "Performance of Multicarrier DS CDMA Systems" <b>IEEE Transactions on Communications 44(2): 238-246 (1996).</b>
DJR	C6	Ling, Fuyun "A Matched Filter Bound Analysis of Single- and Multi-Carrier DS CDMA Communications" <b>1997 Asia Pacific Microwave Conference pgs. 161-164.</b>

EXAMINER Daniel Rayman	DATE CONSIDERED 15 July 2002
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DTR	C7	Lee, et al. "Direct Sequence Spread Spectrum Walsh-QPSK Modulation" <b>IEEE Transactions on Communications</b> 46(9): 1227-1232 (1998).
DTR	C8	Lee, et al. "Performance of a Modified Multicarrier Direct Sequence CDMA System" <b>ETRI J.</b> 19(1): 1-11 (1997).
DTR	C9	Rowitch, et al. "Coded Multicarrier DS-CDMA in the Presence of Partial Band Interference" <b>IEEE</b> pgs. 204-209 (1996).

EXAMINER <i>Daniel Ryan</i>	DATE CONSIDERED <i>15 July 2002</i>
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## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

DJR	C10	Xu, et al. "On the Performance of Multicarrier RAKE Systems" IEEE pgs. 295-299 (1997).
DJR	C11	Xu, et al. "Performance of Multicarrier DS CDMA Systems in the Presence of Correlated Fading" IEEE pgs. 2050-2054 (1997).
DJR	C12	Ziemer, et al. "Effect of Correlation Between Subcarriers of an MCM/DSSS Communication System" IEEE pgs. 146-150 (1996).
EXAMINER <i>Daniel Ryman</i>		DATE CONSIDERED 15 THU 2002

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